ABSTRACT

A disinfectant using as a base formed by selecting one of a metal, metal hydride, metal oxide metal hydroxide and an acid wherein the acid forms an insoluble salt with the metal, adding to a solution of the acid in gram equivalent amounts the metal hydride and filtering the resultant solution to obtain a form of essentially pure activated water that exhibits a high oxidation potential as evidenced by a pH less than 2. Analysis of the activated water shows less than 2500 ppm sulfate concentration which is cetainly substatnially less than a concetration to explain the low pH. In order to adapt the "activated water" to application as an antiseptic to the skin, a carrier (film forming oil) is added which forms a film and retains metal salts that render the remaining film bactericidal after the activated water has evaporated.

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